

CENTRAL FAX CENTER

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A heat treatment system, comprising:
 - (a) a plurality of feed lines for feeding a fluid;
 - (b) a plurality of treatment zones, each treatment zone being fed by one of the plurality of feed lines;
 - (c) wherein each treatment zone includes at least one chamber for holding a material and flowing the fluid through the material;
 - (d) a plurality of heating elements, wherein each heating element heats the material in a corresponding single chamber [[one]] of the plurality of chambers; and
 - (e) a plurality of effluent conduits conducting fluid from the treatment zone, wherein each effluent conduit is equipped with a device selected from the group consisting of a sensing device, a detection device, a sampling device, or a combination thereof.
2. (Original) A heat treatment system according to claim 1, wherein there are six treatment zones.
3. (Original) A heat treatment system according to claim 0, wherein there are eight chambers for each treatment zone.
4. (Original) A heat treatment system according to claim 0, wherein each feed line further comprises a control valve for controlling flow rate of the fluid.
5. (Original) A heat treatment system according to claim 0, further comprising a diluent line for each feed line for feeding a diluent fluid to each feed line.
6. (Original) A heat treatment system according to claim 5, further comprising a mixing zone for mixing the diluent fluid from the diluent line with the fluid from the feed line.
7. (Original) A heat treatment system according to claim 0, further comprising a liquid line for each feed line for feeding a liquid to each feed line.

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8. (Original) A heat treatment system according to claim 7, further comprising a means for mixing the liquid from the liquid line with the fluid from the feed line.
9. (Original) A heat treatment system according to claim 1 further comprising a common effluent line that communicates with all of the effluent conduits to collect all of the fluid from the effluent conduits, said common effluent line located downstream of the device.
10. (Original) A heat treatment system according to claim 0, further comprising a heated enclosure for heating the materials in the chambers, wherein the treatment zones are enclosed by the heated enclosure.
11. – 21. (Cancelled)